

	Type	Hits	Search Text	DBs
1	BRS	28169	mass adj spectro\$	USPAT; US-PGPUB
2	BRS	64249	antibod\$3 or immunoglobulin	USPAT; US-PGPUB
3	BRS	14487	desorption	USPAT; US-PGPUB
4	BRS	6253	(mass adj spectro\$) and (antibod\$3 or immunoglobulin)	USPAT; US-PGPUB
5	BRS	681	desorption and ((mass adj spectro\$) and (antibod\$3 or immunoglobulin))	USPAT; US-PGPUB
6	BRS	52659	immobiliz\$	USPAT; US-PGPUB
7	BRS	11685	(antibod\$3 or immunoglobulin) same immobiliz\$	USPAT; US-PGPUB
8	BRS	1515	(mass adj spectro\$) and ((antibod\$3 or immunoglobulin) same immobiliz\$)	USPAT; US-PGPUB
9	BRS	175	desorption and ((mass adj spectro\$) and ((antibod\$3 or immunoglobulin) same immobiliz\$))	USPAT; US-PGPUB
10	IS&R	4271	(435/7.1).CCLS.	USPAT; US-PGPUB
11	BRS	622	(mass adj spectro\$) and ((435/7.1).CCLS.)	USPAT; US-PGPUB
12	BRS	1015	1.ti.	USPAT; US-PGPUB
13	BRS	31	(antibod\$3 or immunoglobulin) and 1.ti.	USPAT; US-PGPUB
14	IS&R	2890	(436/518).CCLS.	USPAT; US-PGPUB
15	BRS	256	(mass adj spectro\$) and ((436/518).CCLS.)	USPAT; US-PGPUB
16	BRS	211	(antibod\$3 or immunoglobulin) and ((mass adj spectro\$) and ((436/518).CCLS.))	USPAT; US-PGPUB
17	IS&R	1659	(422/100).CCLS.	USPAT; US-PGPUB
18	BRS	11506	immobiliz\$ same antibod\$3	USPAT; US-PGPUB
19	BRS	37	((422/100).CCLS.) and (immobiliz\$ same antibod\$3)	USPAT; US-PGPUB
20	BRS	1	"5695928".PN.	USPAT
21	BRS	1	"5385707".PN.	USPAT
22	BRS	1	"5268146".PN.	USPAT
23	BRS	1	"5200321".PN.	USPAT

	Type	Hits	Search Text	DBs
24	BRS	1	"5139680".PN.	USPAT
25	BRS	5534	agarose same filter	USPAT; US-PGPUB
26	BRS	1037	(immobiliz\$ same antibod\$3) and (agarose same filter)	USPAT; US-PGPUB
27	BRS	60	(immobiliz\$ same antibod\$3) same (agarose same filter)	USPAT; US-PGPUB
28	BRS	0	(immobiliz\$ same antibod\$3) and (agarose adj filter)	USPAT; US-PGPUB
29	BRS	2	agarose adj filter	USPAT; US-PGPUB
30	BRS	473660	filter	USPAT; US-PGPUB
31	BRS	1240	filter same pipette	USPAT; US-PGPUB
32	BRS	13	(filter same pipette) same immobiliz\$	USPAT; US-PGPUB
33	BRS	85	(immobiliz\$ same antibod\$3) and (filter same pipette)	USPAT; US-PGPUB
34	IS&R	628	(436/173).CCLS.	USPAT; US-PGPUB
35	BRS	92991	detect\$ same identif\$	USPAT; US-PGPUB
36	BRS	94031	land (detect\$ same identif\$)	USPAT; US-PGPUB
37	BRS	116	((436/173).CCLS.) and (detect\$ same identif\$)	USPAT; US-PGPUB

L Number	Hits	Search Text	DB	Time stamp
1	2944	(436/518).CCLS.	USPAT; US-PGPUB	2002/09/09 08:42
2	29506	mass adj spectro\$	USPAT; US-PGPUB	2002/09/09 08:43
3	272	((436/518).CCLS.) and (mass adj spectro\$)	USPAT; US-PGPUB	2002/09/09 08:43
4	14770	pipette	USPAT; US-PGPUB	2002/09/09 08:43
5	43	((436/518).CCLS.) and (mass adj spectro\$) and pipette	USPAT; US-PGPUB	2002/09/09 09:02
6	1718	(422/100).CCLS.	USPAT; US-PGPUB	2002/09/09 09:02
7	58	(mass adj spectro\$) and ((422/100).CCLS.)	USPAT; US-PGPUB	2002/09/09 09:08
8	3	((436/518).CCLS.) and ((mass adj spectro\$) and ((422/100).CCLS.))	USPAT; US-PGPUB	2002/09/09 09:02
9	1433	(422/101).CCLS.	USPAT; US-PGPUB	2002/09/09 09:09
10	55	(mass adj spectro\$) and ((422/101).CCLS.)	USPAT; US-PGPUB	2002/09/09 09:23
11	10	affinity near3 microcolumn	USPAT; US-PGPUB	2002/09/09 09:23
12	0	(affinity near3 microcolumn) same tip	USPAT; US-PGPUB	2002/09/09 09:24

FILE 'CAPLUS, MEDLINE, BIOSIS, CA, SCISEARCH, EMBASE' ENTERED AT 11:15:01  
ON 09 SEP 2002

L1	336 S PIPETTE (W) TIP
L2	674627 S MASS (W) SPECTRO?
L3	13 S L1 AND L2
L4	8 DUPLICATE REM L3 (5 DUPLICATES REMOVED)
L5	73 S MICROCOLUMN (S) TIP#
L6	21 S L2 AND L5
L7	8 DUPLICATE REM L6 (13 DUPLICATES REMOVED)

L9 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 4  
AN 2001:387267 CAPLUS  
DN 135:42985  
TI Determination of .beta.-2 microglobulin levels in plasma using a  
high-throughput mass spectrometric immunoassay system  
AU Niederkofler, Eric E.; Tubbs, Kemmons A.; **Gruber, Karl**;  
Nedelkov, Dobrin; Kiernan, Urban A.; Williams, Peter; Nelson, Randall W.  
CS Intrinsic Bioprobes Inc., Tempe, AZ, 85281, USA  
SO Analytical Chemistry (2001), 73(14), 3294-3299  
CODEN: ANCHAM; ISSN: 0003-2700  
PB American Chemical Society  
DT Journal  
LA English

1 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

DUPLICATE 2

AN 1997:721455 CAPLUS

DN 128:20207

TI Interfacing biomolecular interaction analysis with mass spectrometry and the use of Bioreactive mass spectrometer probe tips in protein characterization

AU Nelson, Randall W.; Krone, Jennifer R.; Dogruel, David; **Tubbs**, **Kemmons**; Granzow, Russ; Jansson, Osten

CS Department Chemistry Biochemistry, Arizona State University, Tempe, AZ, 85287-1604, USA

SO Techniques in Protein Chemistry VIII, [Symposium of the Protein Society], 10th, San Jose, Aug. 3-7, 1996 (1997), Meeting Date 1996, 493-504.

Editor(s): Marshak, Daniel R. Publisher: Academic, San Diego, Calif.

CODEN: 65GDAE

DT Conference

LA English

L4 ANSWER 5 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Micro-adsorptive sample preparation for **mass**  
**spectroscopy.**  
SO FASEB Journal, (April 23, 1999) Vol. 13, No. 7, pp. A1478.  
Meeting Info.: Annual Meeting of the American Societies for Experimental  
Biology on Biochemistry and Molecular Biology 99 San Francisco,  
California, USA May 16-20, 1999 American Societies for Experimental  
Biology  
. ISSN: 0892-6638.  
AU Kopaciewicz, William (1)

L9 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2  
AN 2002:73586 CAPLUS  
DN 136:213066  
TI High-throughput protein characterization using mass spectrometric  
immunoassay  
AU Kiernan, Urban A.; Tubbs, Kemmons A.; **Gruber, Karl**; Nedelkov,  
Dobrin; Niederkofler, Eric E.; Williams, Peter; Nelson, Randall W.  
CS Intrinsic Bioprobes, Inc., Tempe, AZ, 85281, USA  
SO Analytical Biochemistry (2002), 301(1), 49-56  
CODEN: ANBCA2; ISSN: 0003-2697  
PB Academic Press  
DT Journal  
LA English  
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT



NSWER 7 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Microadsorptive tips for sample preparation for **mass spectrometry**.

SO Journal of Protein Chemistry, (Aug., 1998) Vol. 17, No. 6, pp. 572.  
Meeting Info.: 12th International Conference on Methods in Protein  
Analysis Halkidiki, Greece September 5-10, 1998  
ISSN: 0277-8033.

AU Sheer, Donald G. (1)

L Number	Hits	Search Text	DB	Time stamp
1	1103974	affinity (w) pipet (w) tip\$	USPAT; US-PGPUB; EPO	2002/09/09 12:41
2	0	affinity adj pipet adj tip\$	USPAT; US-PGPUB; EPO	2002/09/09 12:42
3	0	affinity adj pipette adj tip\$	USPAT; US-PGPUB; EPO	2002/09/09 12:42
4	22	microcolumn same tip	USPAT; US-PGPUB; EPO	2002/09/09 12:42
5	30277	mass adj spectro\$	USPAT; US-PGPUB; EPO	2002/09/09 12:43
7	0	(microcolumn same tip) same (mass adj spectro\$)	USPAT; US-PGPUB; EPO	2002/09/09 12:43
6	4	(microcolumn same tip) and (mass adj spectro\$)	USPAT; US-PGPUB; EPO	2002/09/09 12:45
8	19	surface adj enhanc\$ adj affinity	USPAT; US-PGPUB; EPO	2002/09/09 12:46
9	15	(mass adj spectro\$) and (surface adj enhanc\$ adj affinity)	USPAT; US-PGPUB; EPO	2002/09/09 12:46